



Massachusetts Bay Transportation Authority

Dorchester Avenue Bridge Replacement

Virtual Public Meeting

March 25, 2021

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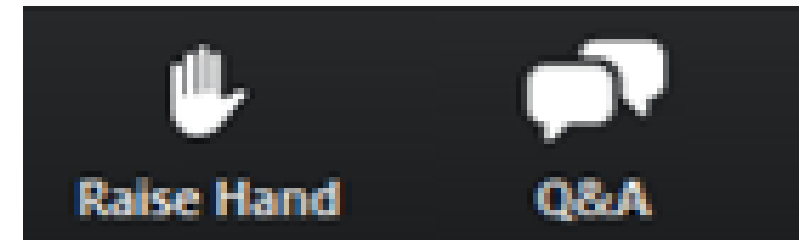
Notification of Recording and Q&A Best Practices

Notification of Recording

- This meeting will be recorded, and the recording and chat transcript are considered a public record
- This meeting recording will be posted on the project website following the conclusion of the meeting

Q&A after the Presentation

- Please share only one question or comment at a time
- Use the **Q&A** button at the bottom of your screen to submit a typed question or comment
- Press the **RAISE HAND** button to share your question or comment verbally. Wait for the moderator to recognize you and unmute you before speaking



Agenda

- Project Overview
- Existing Conditions
- Von Hillern Street Retaining Wall Repair
- Bridge Replacement Project
- Construction Staging
- Anticipated Construction Schedule
- Next Steps
- Public Outreach
- Questions/Comments



Project Overview

Background:

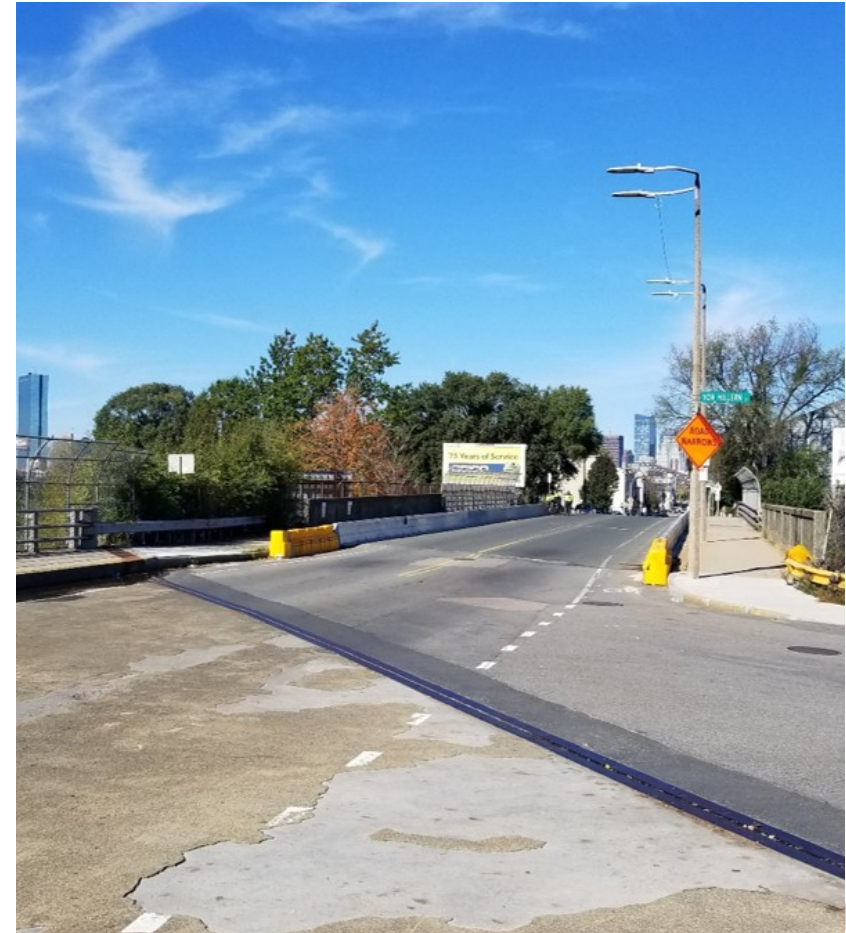
- Originally built in 1925, and last rehabilitated in 1975
- The steel bridge carries vehicles, pedestrians, and bicyclists over the Red Line as well as the Old Colony Commuter Rail and Cabot Yard maintenance tracks

Project Scope:

- Full replacement of the bridge and the Red Line tunnel roof
- Preservation of the adjacent Von Hillern Street wall (McMillen Jacobs Associates)
- Bridge will be closed for approximately 4 months, during Stage 4 – Summer 2022.

Project Benefits:

- Safer, more resilient and reliable service of the bridge as well as the Red Line that travels below
- Reduced future maintenance costs and service impacts



Project Site – Location



Aerial view of the bridge location



Close up view of the Dorchester Ave. Bridge



Existing Conditions



Red Line Track - East Elevation
Von Hillern Street Retaining Wall on the left



Old Colony Track - West Elevation



Old Colony Track - East Elevation





Von Hillern Street Retaining Wall Repairs

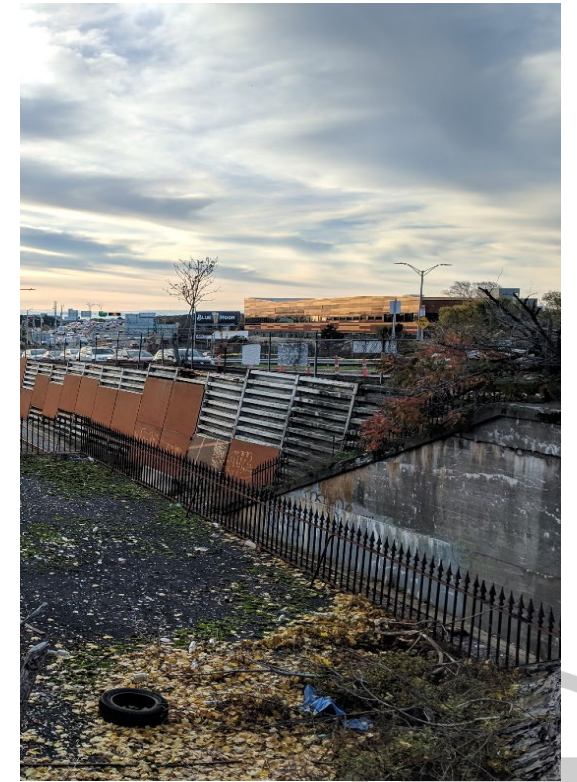


Von Hillern Street Retaining Wall Repair

- Von Hillern Street retaining wall will be rehabilitated to maintain its structural integrity
- Work is scheduled to be done prior to bridge replacement: Summer 2021
- A travel lane and parking on Von Hillern Street will be required by the Contractor to perform drilling work from above
- Police details will on site to manage traffic impacts



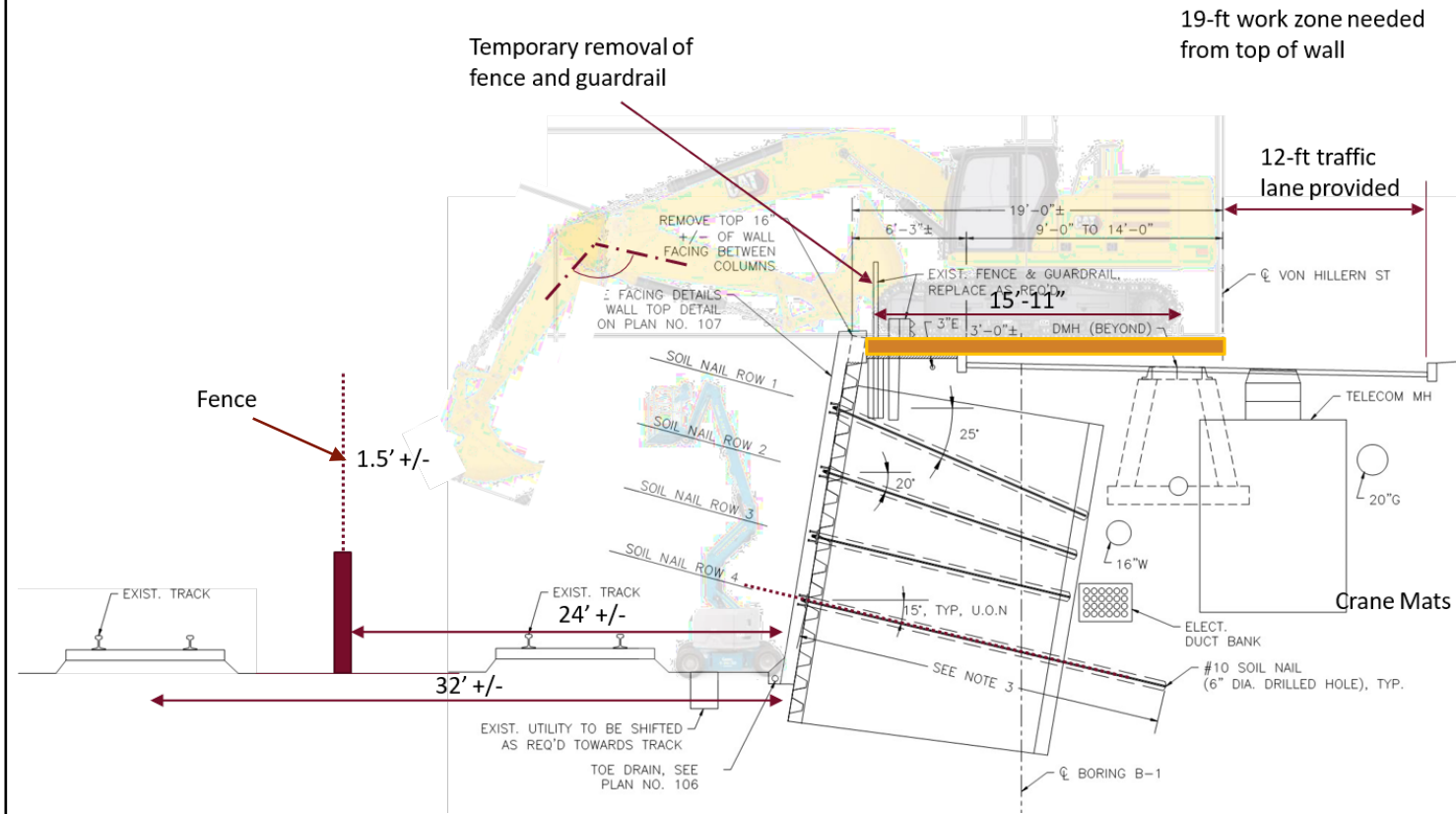
Temporary Construction Area



Von Hillern Street Retaining Wall Repair



Picture of a similar drill rig that will be used for this work



Construction View of Retaining Wall

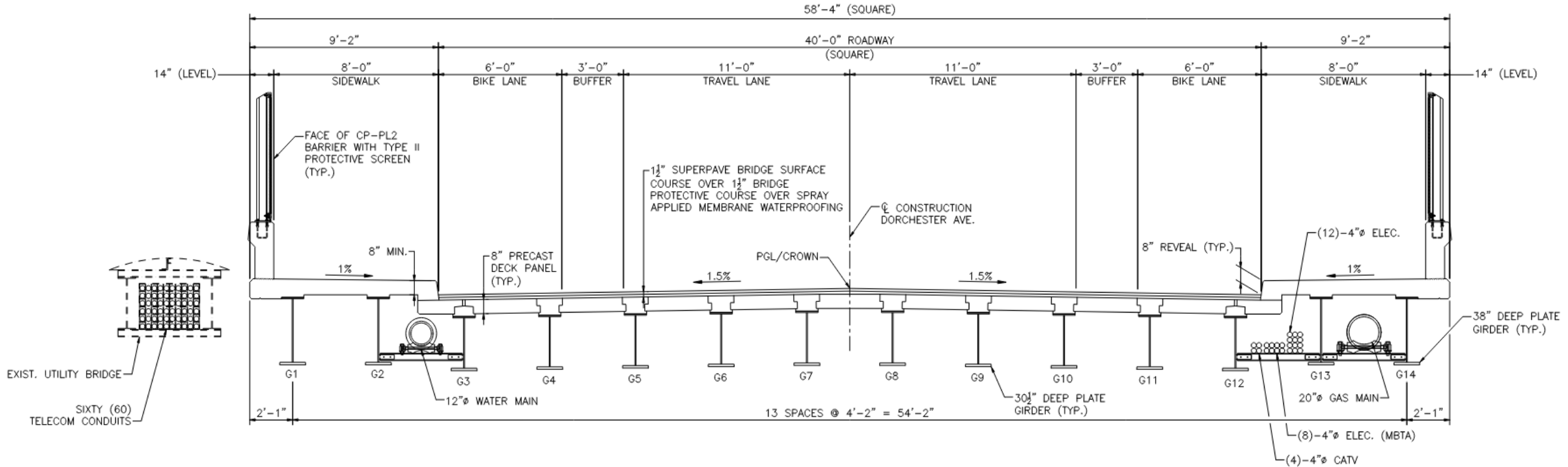




Bridge Replacement Project



Proposed Bridge






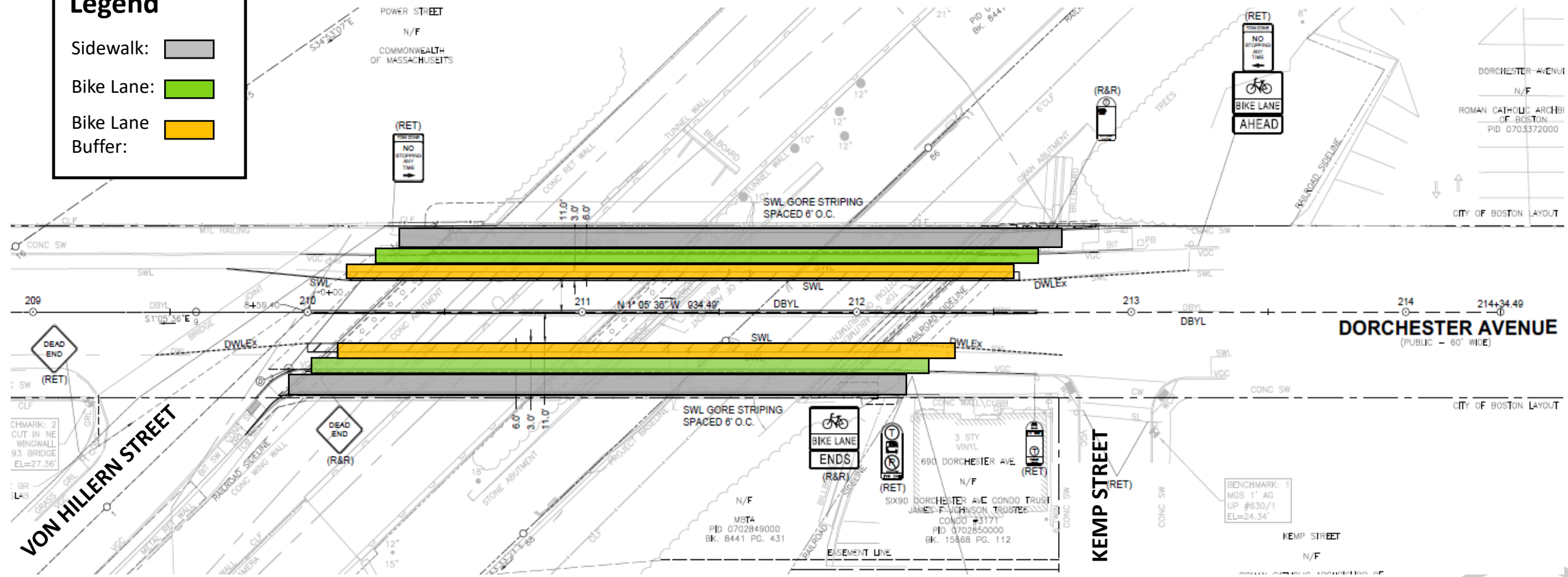
- Steel plate girders, precast deck panels, CIP closure pours, sidewalk and barrier
- 40-ft roadway width (matches existing on bridge), 8'-0" sidewalk width. Includes bike lanes with buffer
- Vaulted sidewalk: vertical clearance and increased structure depth for utilities
- Relocate existing gas line



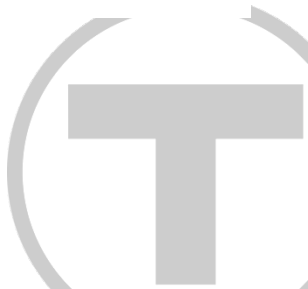
Proposed Bridge: Pavement Marking Plan

Legend

- Sidewalk: 
- Bike Lane: 
- Bike Lane Buffer: 



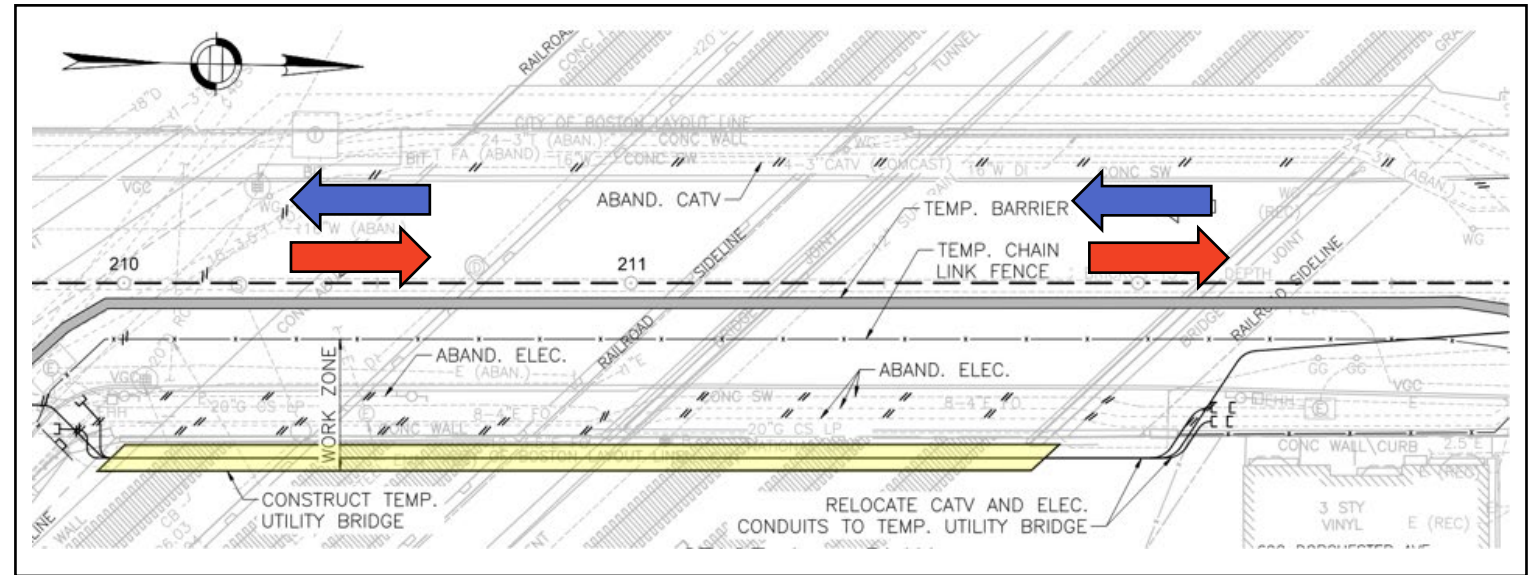
Pavement Marking Plan



Construction Staging – Stages 1 & 2

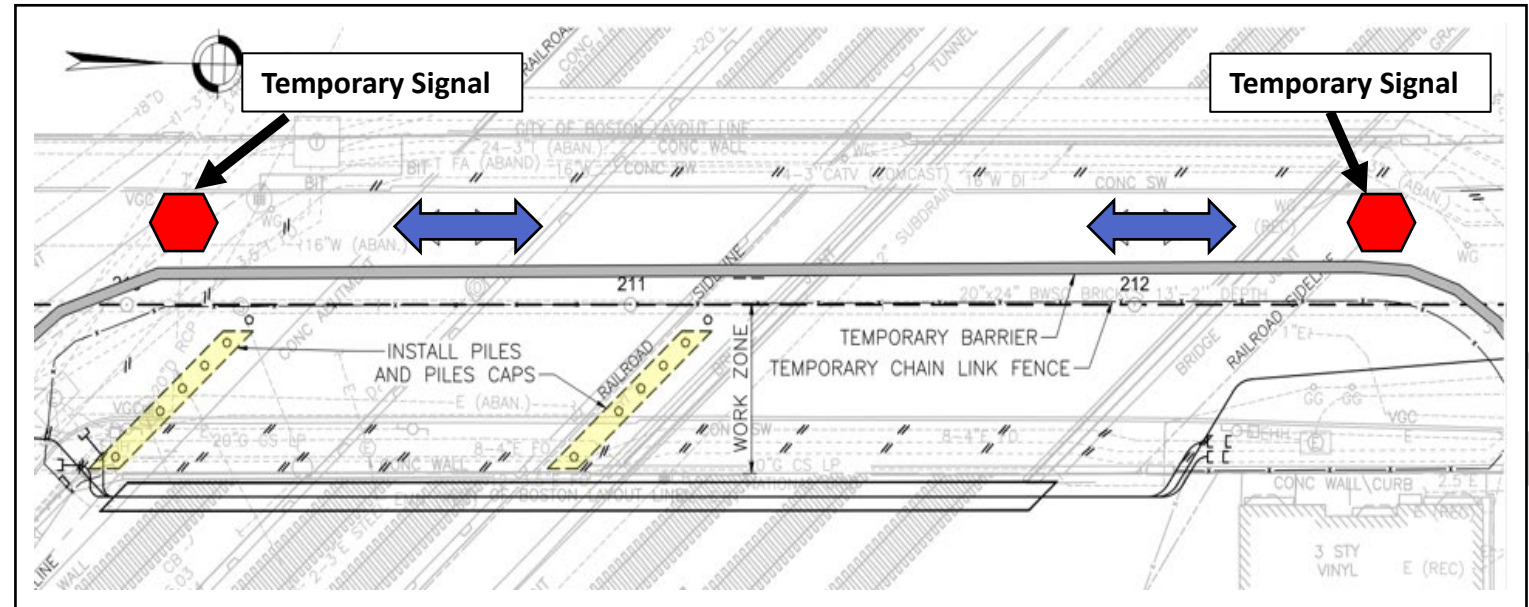
Stage 1 – Utility Relocation

- Traffic Impacts:
 - Two lanes, western sidewalk open, and eastern walkway provided
- Anticipated to take place Spring 2022
- No impact to Red Line or Commuter Rail service



Stage 2 – Pile Installation

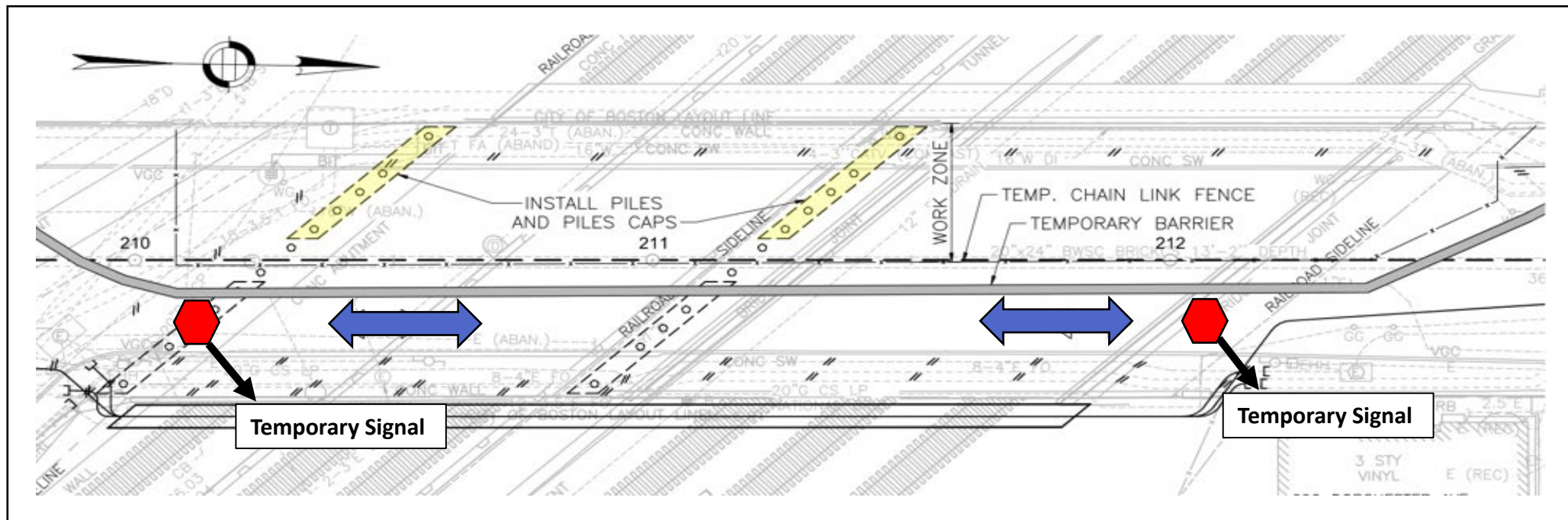
- Traffic Impacts:
 - Single lane alternating with temp. signals, western sidewalk open, eastern walkway provided
- Anticipated to take place late Spring 2022
- No impact to Red Line or Commuter Rail service



Construction Staging – Stage 3

Stage 3 – Pile Installation

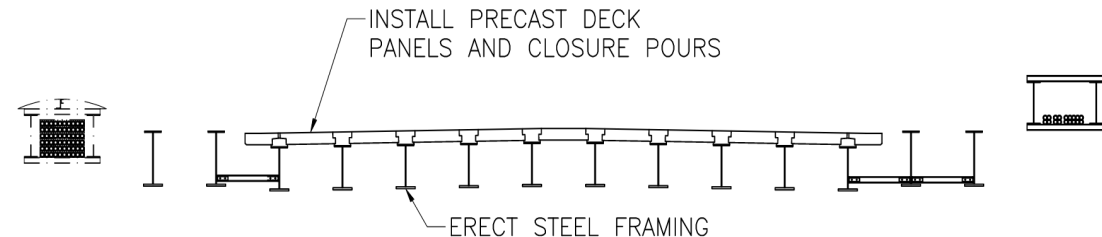
- Traffic Impacts:
 - Single lane alternating with temp. signals, western sidewalk open, eastern walkway provided
- Anticipated to take place Early Summer 2022
- No impact to Red Line or Commuter Rail Service



Construction Staging – Stage 4

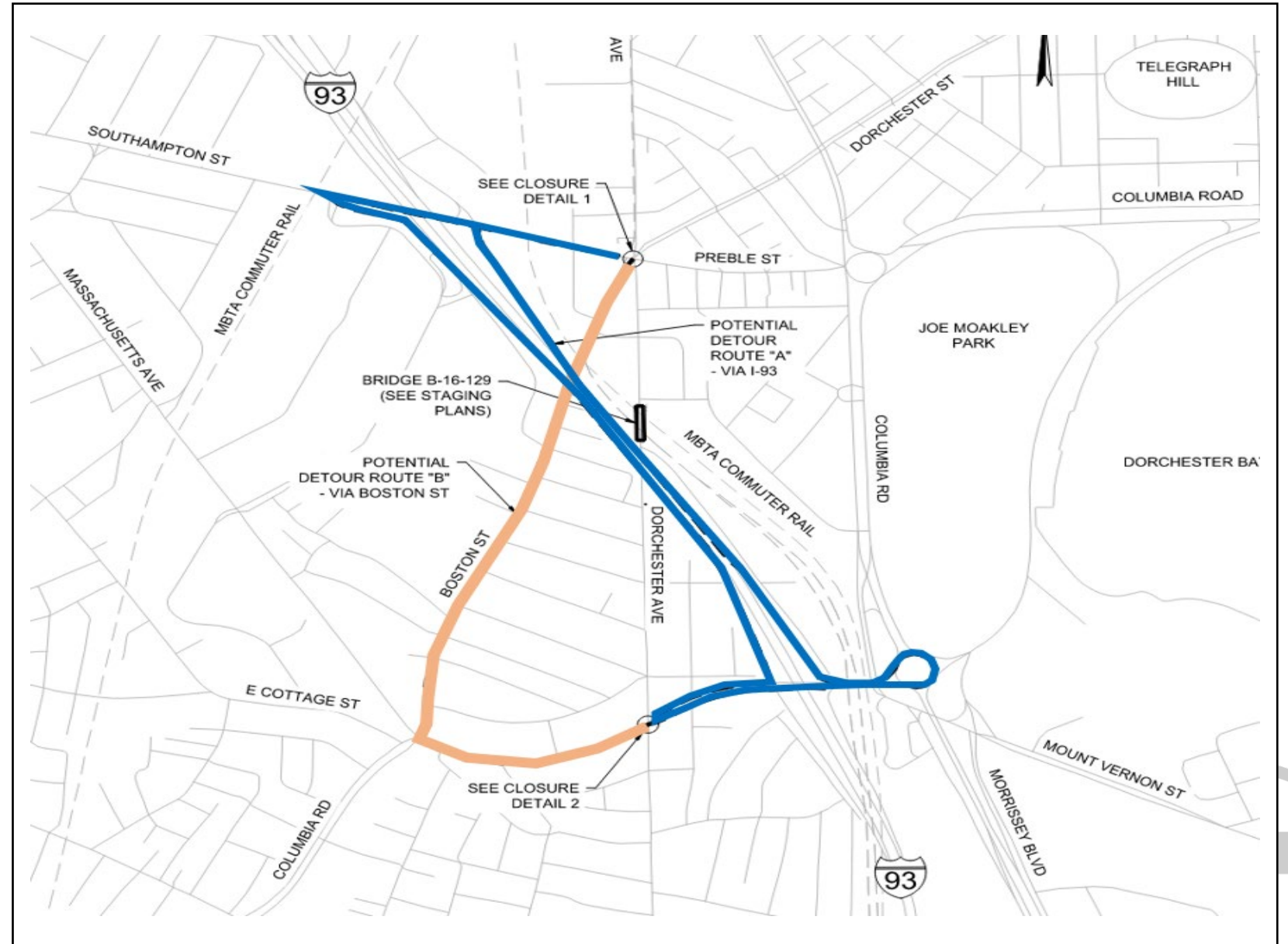
Stage 4 – Bridge Closure

- Traffic Impacts:
 - Full Bridge Closure
 - Vehicular and Pedestrian Detours
- Anticipated to take place Summer 2022
- Demolish existing bridge superstructure & partial substructure
- Erect steel framing and deck panels, complete deck closure pours, install precast approach slabs, backfill and pave approaches for partial reopening
- Red Line/Commuter Rail Impacts:
 - Weekend Diversions



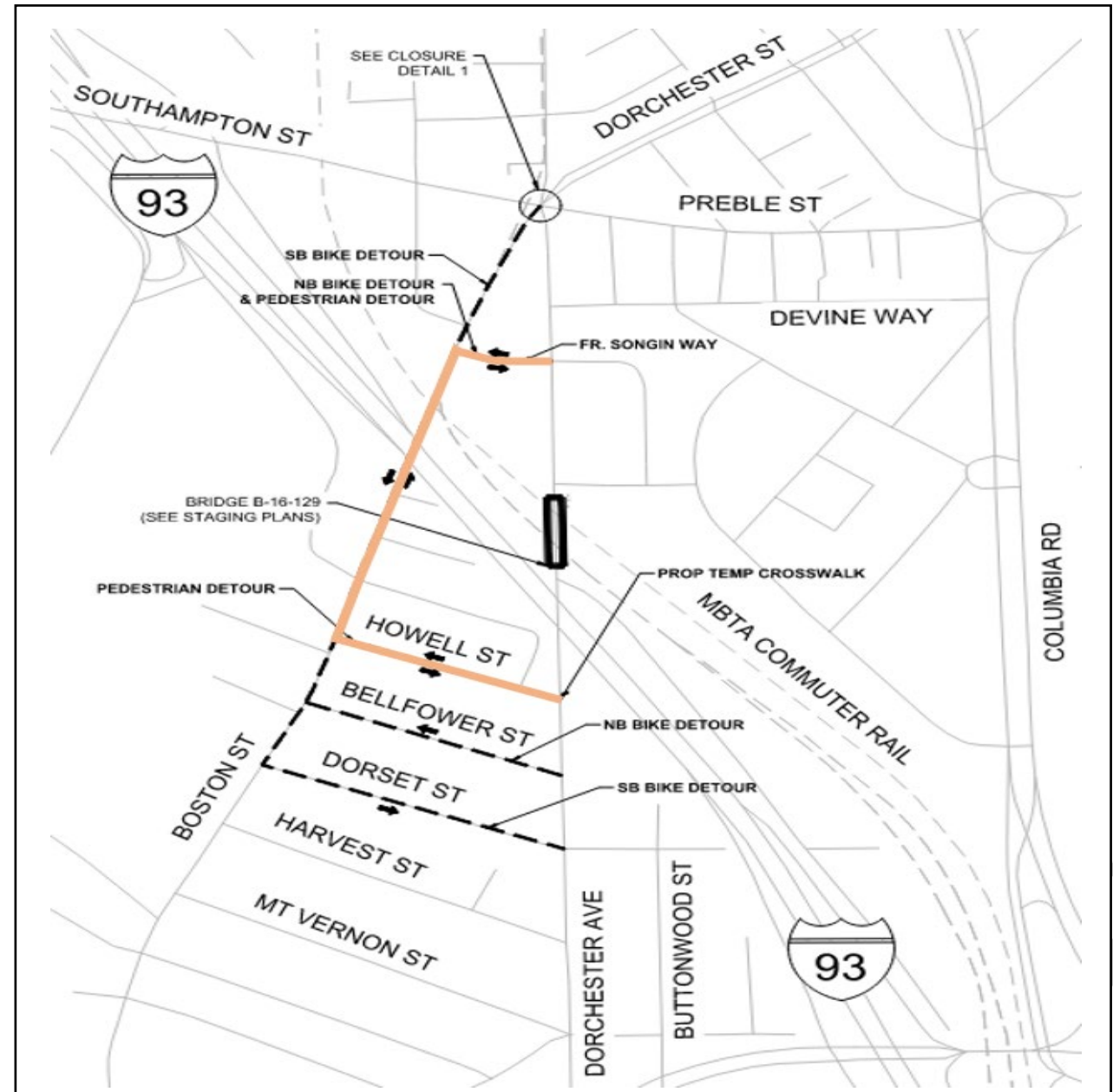
Bridge Closure – Vehicular Detour

- Detour will be in employed during Stage 4 bridge closure
- Detour route encouraged during Stages 1-3 & 5



Bridge Closure – Pedestrian Detour

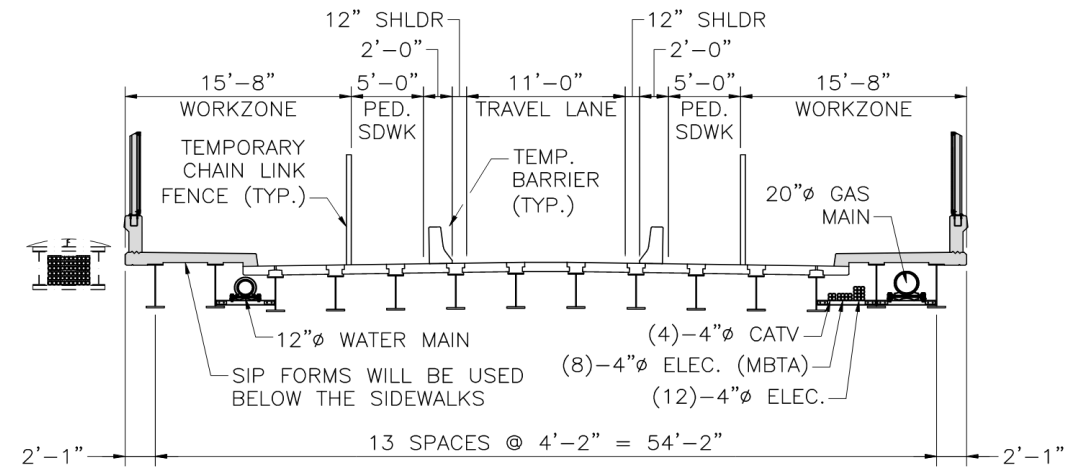
- Pedestrian detour will be employed during Stage 4 bridge closure
- Pedestrian access over bridge will be maintained during Stages 1-3 & 5



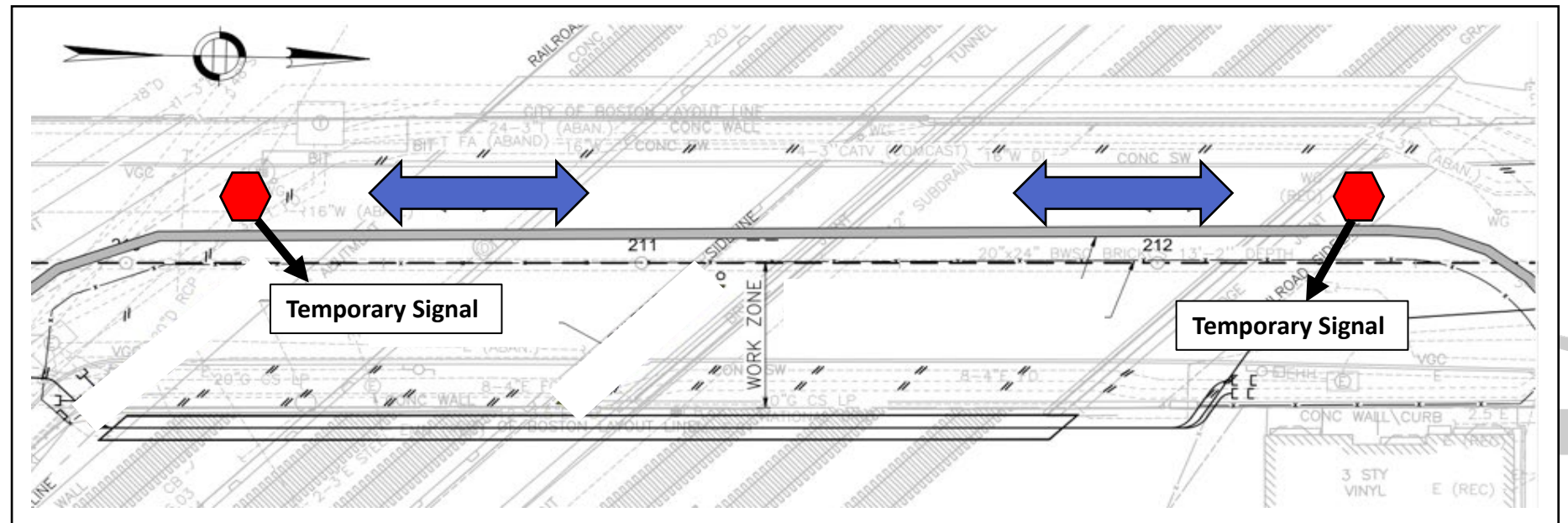
Construction Staging – Stage 5

Stage 5 – Bridge Construction & Utility Relocation


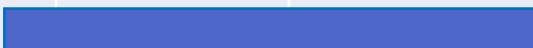




- Bridge will partially reopen
- Traffic Impacts:
 - Single lane alternating
 - Pedestrian walkways will be open partially
- Anticipated to take place Fall 2022
- No impact to Red Line/Commuter Rail service



*Traffic Plan (right):
Single lane alternating.
Sidewalks partially open*



Anticipated Construction Schedule

	Summer 2021	Fall - Winter 2021	Early Winter 2022	Spring 2022	Summer 2022	Fall 2022
Von Hillern Street Retaining Wall Repairs						
Bridge Replacement Procurement Phase						
Stages 1-3: Utility Relocation/Pile Installation						
Stage 4: Bridge Closure. Demo of existing structure						
Stage 5: Bridge Construction & Utility Relocation (Bridge partially reopen)						
Stage 6: Demobilization						

**Construction phasing subject to change*



Next Steps

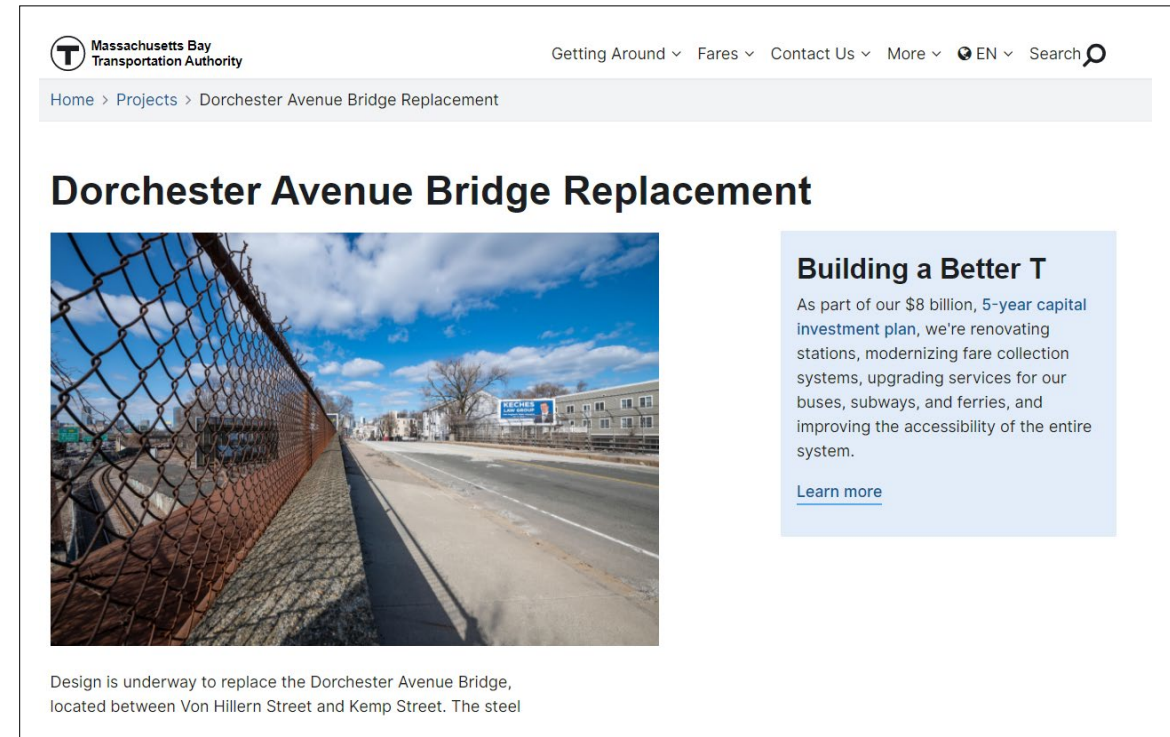
- Design progression to 75% and 100%
- Complete Design Public Meeting – Fall of 2021
- Preconstruction Public Meeting – Early 2022
- Continued Municipal & Stakeholder Engagement throughout the design progress



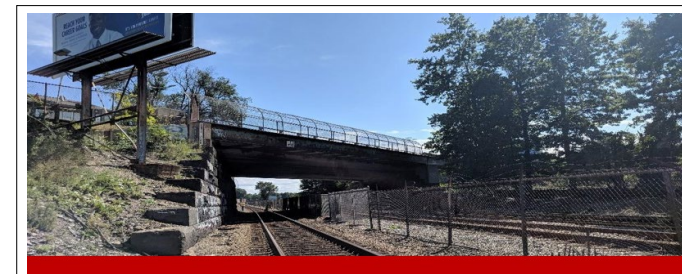
Visit the project webpage:
[mbta.com/DotAveBridge](https://www.mbta.com/DotAveBridge)

- Public and Stakeholders can sign up to receive digital updates on the project via the project email address
- Upcoming Virtual Public Meetings at Complete Design and Preconstruction
- Construction Advisories will be sent out prior to any significant work scheduled (bridge closure, nighttime, weekend work, etc.)

Project Email: DotAveBridge@mbta.com



The screenshot shows the MBTA website header with navigation links: Getting Around, Fares, Contact Us, More, EN, and Search. The breadcrumb trail is Home > Projects > Dorchester Avenue Bridge Replacement. The main heading is "Dorchester Avenue Bridge Replacement". Below the heading is a photograph of a bridge under construction, viewed through a chain-link fence. To the right of the photo is a blue box with the text "Building a Better T" and a paragraph describing the \$8 billion capital investment plan. Below the paragraph is a "Learn more" link. Below the photo is a caption: "Design is underway to replace the Dorchester Avenue Bridge, located between Von Hillern Street and Kemp Street. The steel".



Dorchester Ave. Bridge Replacement Construction Advisory: Bridge Closure

The MBTA has begun construction to replace the bridge along Dorchester Avenue. For more information on this project and to sign up for email updates please visit: www.MBTA.com/DorchesterAveBridge. To

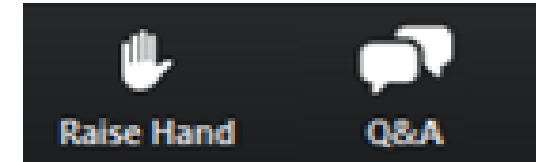
Project Webpage

*Construction
Advisory Flyer*

Questions & Answers

Visit the project website and sign up for updates and construction information:

www.mbta.com/DotAveBridge



Q&A

- Please share only one question or comment at a time.
- Use the “**Q&A**” button to submit a typed question or comment.
- Press the “**Raise Hand**” button to share your question or comment verbally.
- To ask a question via phone, dial *9 and the moderator will call out the last 4 digits of your phone number and unmute your audio when it is your turn.





Thank You!

